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Reply to E. Hindié and K.R. Hess

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Reply to E. Hindié and K.R. Hess

Hindié¹ has pointed out that the absolute difference in 4-year relapse-free survival (RFS) rates between the treatment and placebo arms in patients with stage IIIA disease (7%) was considerably lower compared with rates in patients with stage IIIB disease (19%) and stage IIIC disease (16%; all American Joint Commission on Cancer [AJCC] 7th edition). However, the hazard ratio (HR) for RFS, which measures the reduction in risk regardless of absolute baseline risk, was consistent across substages. HR for stage IIIA disease (AJCC 7th edition melanoma staging system) was 0.58, which represents a 42% reduction in risk, 0.49 for stage IIIB disease (51% reduction in risk), and 0.46 for stage IIIC disease (54% reduction in risk). These data demonstrate that the magnitude of the RFS benefit of adjuvant dabrafenib and trametinib was consistent across substages and comparable to the overall treatment effect observed in the intention-to-treat population.² Therefore, it cannot be assumed that there would be a different risk reduction for patients with low-risk stage IIIA disease (≤ 1 mm) on the basis of available data; however, a prospective study is needed to confirm these findings in patients with stage IIIA melanoma (≤ 1 mm).

As Hindié¹ indicates, patients with stage IIIA melanoma in the COMBI-AD study had a nodal burden of greater than 1 mm. Therefore, similar to prespecified analyses by the AJCC 7th edition melanoma staging system, post hoc analyses by the AJCC 8th edition melanoma staging system included patients with lymph node metastasis of greater than 1 mm.

The adverse event profile in the COMBI-AD trial was consistent with the approved indications in metastatic melanoma, non-small-cell lung cancer, and anaplastic thyroid cancer. Adverse events were reversible and manageable, as indicated by a median duration of exposure that was close to the planned 12 months of treatment (11.0 months for dabrafenib plus trametinib and 10.0 months for placebo³). The most common adverse event reported was pyrexia, which could be managed with dose interruptions and supportive measures—for example, acetaminophen or corticosteroids.

Evaluation of treatment risks and benefits is important and must be discussed by the physician and patient before initiating adjuvant treatment, which would include a discussion of the absolute baseline risk of recurrence. The effect of relapse of melanoma at any stage can be devastating, especially in the case of systemic relapse. In the study cited by Hindié,¹ estimated 5-year survival rates after first relapse were similar in patients with stage IIIA and IIIB disease (20%). Of note, the type of metastasis—in-transit or

nodal versus systemic—but not melanoma substage—was independently associated with overall survival after first relapse.⁴ Therefore, it is important to discuss adjuvant treatment options with patients with stage IIIA melanoma (lymph node metastasis > 1 mm).

In reply to Hess,⁵ our article presents updated efficacy results with 10 months of additional follow up that confirms RFS benefit with adjuvant dabrafenib plus trametinib. The benefit is clearly demonstrated with the more mature RFS analysis and the cure rate model.

Departure from the proportional hazards assumption discussed in the letter by Hess⁵ is not unexpected in the adjuvant setting in which RFS Kaplan-Meier curves begin to plateau at a certain point in time, indicating the presence of a fraction of patients who will likely never experience disease recurrence and may be cured. In the COMBI-AD trial, RFS curves become more or less parallel beyond 3 years and the difference between curve tails is quantified by the cure rate model estimates. We agree with Hess⁵ that, in this setting, RFS HR alone (HR, 0.49) may not show the entire picture regarding the efficacy of the tested drug versus control, and this is precisely the rationale for complementing the RFS HR with cure rate estimates (54% v 37%), as we did in this analysis.

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